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EXHAUST EMISSION CONTROL DEVICE OF INTERNAL COMBUSTION ENGINE**Publication number:** JP2002180818 (A)**Publication date:** 2002-06-26**Inventor(s):** YANAGIHARA HIROMICHI; KATO ZENICHIRO; SUGIYAMA TOSHIHISA; HENDA YOSHIMITSU; SHIRATANI KAZUHIKO; KUROKI RENTARO**Applicant(s):** TOYOTA MOTOR CORP**Classification:****- international:** F01N3/02; B01D39/14; B01D39/20; B01D46/00; B01D46/42; B01D53/94; F01N3/02; B01D39/14; B01D39/20; B01D46/00; B01D46/42; B01D53/94; (IPC1-7): F01N3/02; B01D39/14; B01D39/20; B01D46/00; B01D46/42; B01D53/94**- European:****Application number:** JP20000379625 20001214**Priority number(s):** JP20000379625 20001214**Abstract of JP 2002180818 (A)**

PROBLEM TO BE SOLVED: To effectively use filter scavenging capacity. **SOLUTION:** A heater element HE is provided along the outer periphery in an exhaust gas introducing part of a filter 30. The heater element HE is connected to a heater element control circuit 61 via an electric power supply line, and the heater element control circuit 61 carries an electric current to the heater element HE according to a command from an engine ECU 60. The heater element HE is heated when receiving the electric current, and burns a suspended particle-like substance accumulated in the exhaust gas introducing part of the filter 30. As a result, the suspended particle-like substance accumulated in the exhaust gas introducing part of the filter 30 is removed, and scavenging performance of the filter 30 is recovered.

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